CLAIMS

1  1. A local computer network for packets delivery with headers that contain logical and

2  physical addresses of senders and/or receivers of information and a network screen that

3  splits it to at least two segments and represents a complex of hardware and software

4  means and contains at least two network interfaces for packets exchange between the

5  network segments and a program that controls the process of packets commutation

6  between the network interfaces based on the filtration rules that do not name logical

7  addresses to the network interfaces and do not send their physical addresses to the net and

8  at the same time permit a transit delivery through the network interfaces of the network

9  screen only to the packets with the headers that passed the test in accordance to the

10  defined filter rules and using a special direct interface to define these filter rules.

1    2. The invention of claim 1 wherein outbound packets keep in their headers physical

2    addresses of the senders because the program that controls the network screen does not

3    send outside local network physical addresses of its network interfaces.


1    3. The invention of claim 1 wherein the network screen is based on a universal computer

2    device with operational system and several network interfaces and special direct interface

3    where network interfaces are Ethernet adapters and special control interface may be

4    based on Ethernet interface type or on the base of sequential asynchronous interface.


1    4. The invention of claim 1 wherein filter rules of the network screen disallow a transit

2    delivery of any messages without special mark and address parameters in their headers.


1    5. The invention of claim 1 wherein the access to the program of editing filter rules is

2    protected by password.


1    6. The invention of claim 1 wherein the network screen after processing the packet with

2    filter rules keeps unchanged logical and physical addresses of the sender in the packet's

3    header and it does not name network interfaces with logical addresses and does not send

4    their physical addresses to the network segments connected with them while the network

5    screen contains special direct interface to edit and tune filter rules where any changes of

6    filter parameters may be processed only through this interface and the program of control

7   provides packet delivery from one network interface to another only when the

8   information in the packet's header satisfies all filter requirements.


1   7.  Network screen of claim 6 wherein this screen is a special computer device with

2   internal operational system universal bus for data exchange between the interface

3   adapters and a separate channel of control protected by password.